Amendments to the Claims

1. (currently amended): A fuel dispensing system, said system comprising:

(a) a plurality of storage tanks for storing a plurality of fuel products;

(b) at least one dispenser;

(c) at least one pump for pumping fuel from said storage tanks to said dispenser;

(d) a pump controller connected to said dispenser and said pump having a plurality of individual selectors for selecting a specific fuel product; and

(e) an emergency stop system that includes an emergency system reset having a reset delay module, at least one emergency stop actuator and at least one electrical power disconnector.

2. (canceled)

3. (canceled)

4. (previously presented): The apparatus according to Claim 1, wherein said emergency stop actuator further includes a plurality of emergency stop actuators at various locations.

5. (previously presented): The apparatus according to Claim 1, wherein said electrical power disconnector includes one for each dispenser and one for each pump.

6. (previously presented): The apparatus according to Claim 1, further including at least one accessory emergency stop disconnector.

7. (canceled)

8. (currently amended): The apparatus according to Claim ~~7~~1, wherein said emergency stop system reset is normally in an open position.

9. (canceled)

10. (currently amended): The apparatus according to Claim ~~7~~1, further including a microprocessor module, wherein said module provides additional functions including: emergency stop and reset switch diagnostics; status and mode indicators; and selectable connections to emergency stop and reset switches.

11. (original): The apparatus according to Claim 1, wherein said storage tanks are underground storage tanks.

12. (original): The apparatus according to Claim 1, wherein said pump is a submersible pump.

13. (original): The apparatus according to Claim 1, wherein said pump includes at least one pump per product.

14. (original): The apparatus according to Claim 1, further including a plurality of pumps having at least one pump per product.

15. (original): The apparatus according to Claim 1, wherein said dispenser includes a product nozzle, at least one dispenser pump control signal for activating an associated pump, and a control signal actuator.

16. (previously presented): The apparatus according to Claim 1, wherein said emergency stop actuator is user actuated.

17. (currently amended) A pump controller for a fuel dispensing system having a plurality of storage tanks for storing a plurality of fuel products; at least one dispenser; at least one pump for pumping fuel from said storage tanks to said dispenser, said pump controller comprising:

(a) a plurality of individual selectors for selecting a specific fuel product;

(b) an interconnecting expandable length bus for connecting additional station components to one another, said bus including at least one accessory control signal line; and

(c) a plurality of electrical isolators upstream of said plurality of selectors.

18. (original): The apparatus according to Claim 17, wherein said plurality of selectors includes bus input selectors and bus output selectors.

19. (original): The apparatus according to Claim 18, wherein each bus input selector is associated with a pair of bus pump control signal lines.

20. (original): The apparatus according to Claim 19, wherein said pair of bus pump control signal lines are grouped in sets of four for a total of eight bus pump signal lines.

21. (original): The apparatus according to Claim 18, wherein each bus output selector is associated with a pump.

22. (original): The apparatus according to Claim 17, wherein said interconnecting expandable length bus for connecting additional station components to one another includes a plurality of bus pump control signal lines.

23. (original): The apparatus according to Claim 22, wherein said interconnecting expandable bus includes eight bus pump control signal lines.

24. (original): The apparatus according to Claim 17, further including a bus power supply.

25. (original): The apparatus according to Claim 17, further including a pump relay.

26. (canceled)

27. (previously presented): The apparatus according to Claim 17, wherein said electrical isolators are optical isolators.

28. (previously presented): The apparatus according to Claim 17, wherein said plurality of electrical isolators upstream of said plurality of selectors includes at least one isolator per dispenser pump control signal input.

29. (canceled)

30. (currently amended): The apparatus according to Claim ~~29~~ 17, wherein said at least one accessory control signal line includes a lighting signal line.

31. (currently amended): The apparatus according to Claim ~~29~~ 17, wherein said at least one accessory control signal line includes an emergency stop signal line.

32. (currently amended): A fuel dispensing system, said system comprising:

(a) a plurality of storage tanks for storing a plurality of fuel products;

(b) at least one dispenser;

(c) at least one pump for pumping fuel from said storage tanks to said dispenser;

(d) a pump controller connected to said dispenser and said pump having a plurality of individual selectors for selecting a specific fuel product, said pump controller including: (i) a plurality of individual selectors for

selecting a specific fuel product; and (ii) an interconnecting expandable length bus for connecting additional station components to one another; and

(e) an emergency stop system that includes an emergency system reset having a reset delay module, at least one emergency stop actuator and at least one electrical power disconnector.

33. (canceled)

34. (previously presented): The apparatus according to Claim 32, wherein said emergency stop actuator further includes a plurality of emergency stop actuators at various locations.

35. (previously presented): The apparatus according to Claim 32, wherein said electrical power disconnector includes one for each dispenser and one for each pump.

36. (previously presented): The apparatus according to Claim 32, further including at least one accessory emergency stop disconnector.

37. (canceled)

38. (currently amended): The apparatus according to Claim ~~37~~ 32, wherein said emergency stop system reset is normally in an open position.

39. (canceled)

40. (currently amended): The apparatus according to Claim ~~37~~ 32, further including a microprocessor module, wherein said module provides additional functions including: emergency stop and reset switch diagnostics; status and mode indicators; and selectable connections to emergency stop and reset switches.

41. (original): The apparatus according to Claim 32, wherein said storage tanks are underground storage tanks.

42. (original): The apparatus according to Claim 32, wherein said pump is a submersible pump.

43. (original): The apparatus according to Claim 32, wherein said pump includes at least one pump per product.

44. (original): The apparatus according to Claim 32, further including a plurality of pumps having at least one pump per product.

45. (original): The apparatus according to Claim 32, wherein said dispenser includes a product nozzle, at least one dispenser pump control signal for activating an associated pump, and a control signal actuator.

46. (previously presented): The apparatus according to Claim 32, wherein said emergency stop actuator is user actuated.

47. (original): The apparatus according to Claim 32, wherein said plurality of selectors includes bus input selectors and bus output selectors.

48. (original): The apparatus according to Claim 47, wherein each bus input selector is associated with a pair of bus pump control signal lines.

49. (original): The apparatus according to Claim 48, wherein said pair of bus pump control signal lines are grouped in sets of four for a total of eight bus pump signal lines.

50. (original): The apparatus according to Claim 47, wherein each bus output selector is associated with a pump.

51. (original): The apparatus according to Claim 32, wherein said interconnecting expandable length bus for connecting additional station components to one another includes a plurality of bus pump control signal lines.

52. (original): The apparatus according to Claim 51, wherein said interconnecting expandable bus includes eight bus pump control signal lines.

53. (original): The apparatus according to Claim 32, further including a bus power supply.

54. (original): The apparatus according to Claim 32, further including a pump relay.

55. (original): The apparatus according to Claim 32, further including a plurality of electrical isolators upstream of said plurality of selectors.

56. (original): The apparatus according to Claim 55, wherein said electrical isolators are optical isolators.

57. (original): The apparatus according to Claim 55, wherein said plurality of electrical isolators upstream of said plurality of selectors includes at least one isolator per dispenser pump control signal input.

58. (original): The apparatus according to Claim 32, wherein said interconnecting expandable length bus for connecting additional station components to one another further includes at least one accessory control signal line.

59. (original): The apparatus according to Claim 58, wherein said at least one accessory control signal line includes a lighting signal line.

60. (original): The apparatus according to Claim 58, wherein said at least one accessory control signal line includes an emergency stop signal line.

61. (new): A fuel dispensing system, said system comprising:

(a) a plurality of storage tanks for storing a plurality of fuel products;

(b) at least one dispenser;

(c) at least one pump for pumping fuel from said storage tanks to said dispenser;

(d) a pump controller connected to said dispenser and said pump having a plurality of individual selectors for selecting a specific fuel product; and

(e) an emergency stop system comprising:

(i) at least one emergency stop actuator;

(ii) a microprocessor module having inputs and outputs, at least one of said inputs being interfaced with said emergency stop actuator; and

(iii) at least one electrical power disconnector in communication with at least one of said microprocessor module outputs, wherein said microprocessor module is programmable to command said at least one electrical power disconnector to disconnect power from said at least one dispenser upon activation of said emergency actuator .

62. (new): The apparatus according to Claim 61, further including at least one status indicator in communication with said microprocessor module, said status indicator being responsive to said at least one emergency stop output.

63. (new): The apparatus according to Claim 61, further including at least one emergency stop system reset switch in communication with at least one of said microprocessor module inputs.

64. (new): The apparatus according to Claim 61, wherein said microprocessor module is programmable to function in part as a delay reset module.